

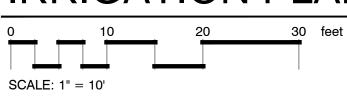
Valve Callout

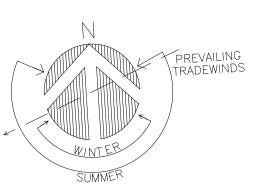
Valve Number

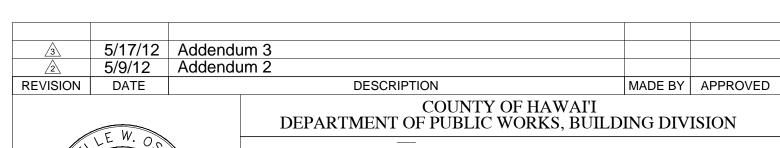
Valve Flow

Valve Size

## IRRIGATION PLAN







NEW KA'U DISTRICT GYMNASIUM & SHELTER AT KA'U AND PAHALA ELEMENTARY SCHOOL CAMPUS JOB NO. B-4108

PA'AU'AU AHUPUA'A, DISTRICT, HAWAI'I ISLAND AND COUNTY OF HAWAII 96-2150 PIKAKE STREET, PAHALA, HAWAII 96777 TMK: (3) 9-6-05: 08 & 39

DESIGN BY: JWO
DRAWN BY: JWO
CHECKED BY: JWO

SHEET NO.

IRRIGATION PLAN PLAN

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION AND
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION
DI

Expires 4/30/14

LICENSED

LANDSCAPE

REVIEWED:

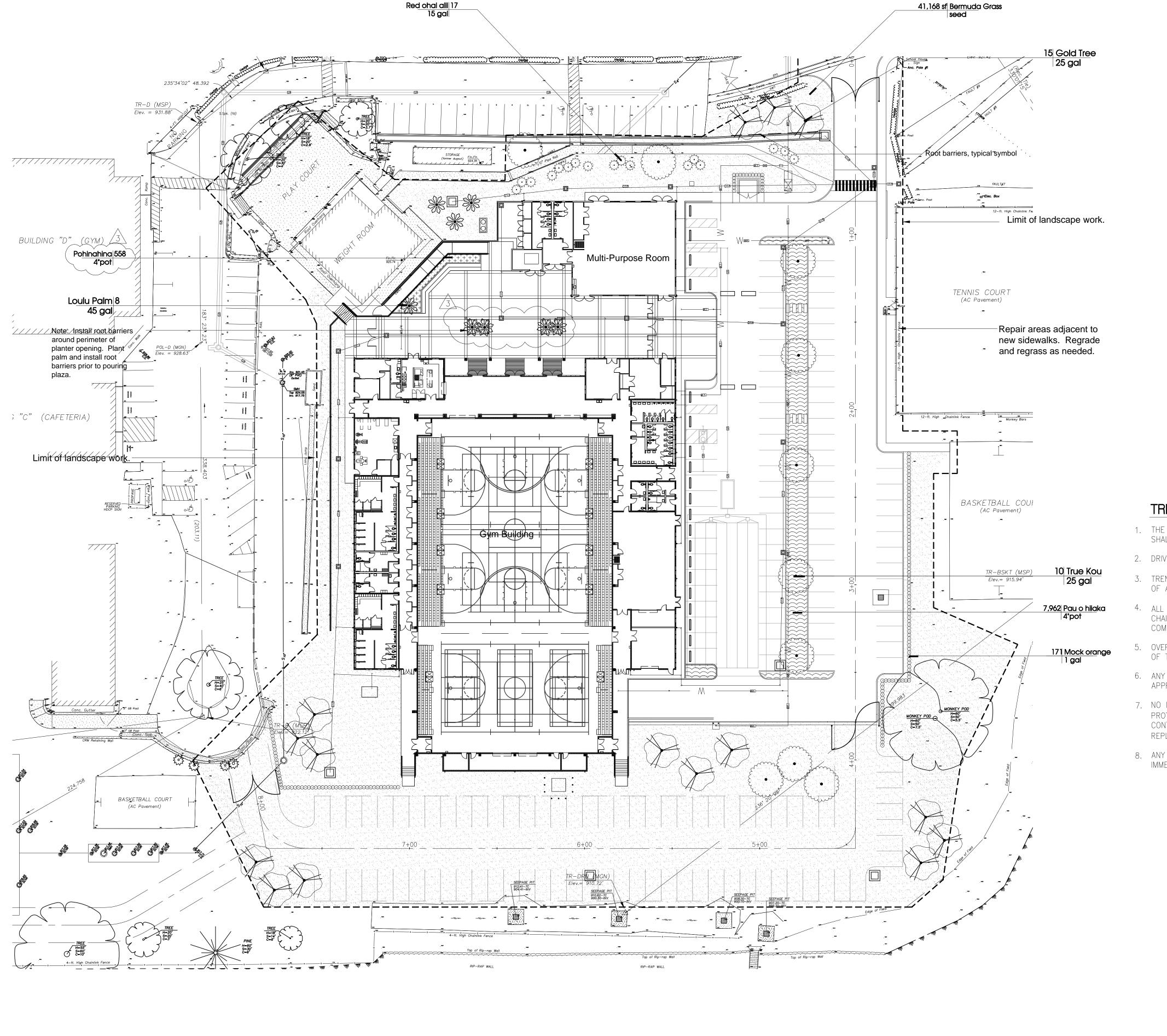
DIVISION CHIEF
BUILDING DIVISION
DEPARTMENT OF PUBLIC WORKS

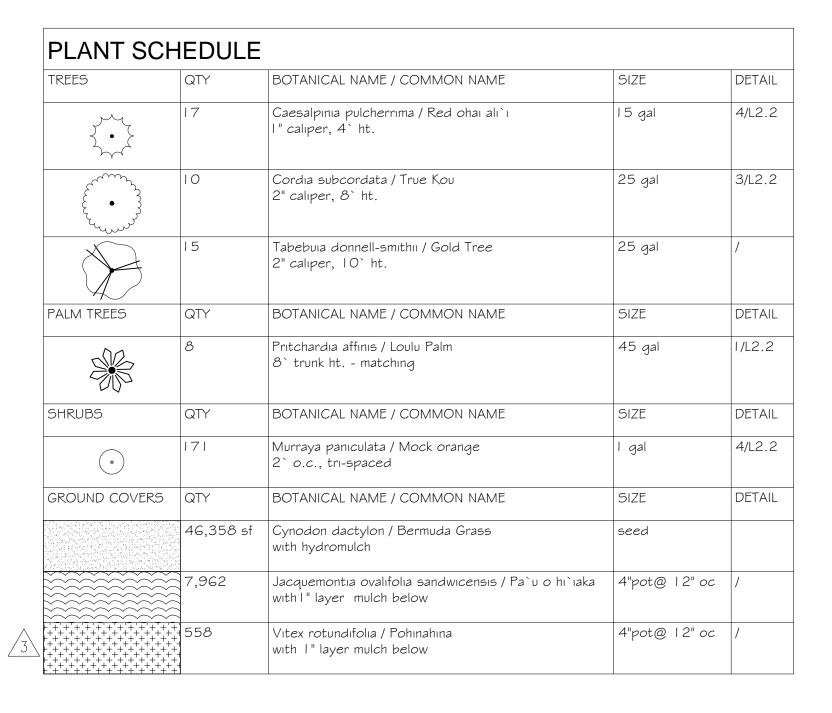
DATE
2012 APRIL 05

179

OF 190

SHTS





## TREE PROTECTION NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING TREES WITHIN THE VICINITY OF THE WORK. NO MATERIAL SHALL BE STOCKPILED NOR EQUIPMENT PARKED, STORED, OR PERMITTED TO OPERATE WITHIN THE DRIPLINE AREA.
- 2. DRIVING VEHICLES OVER TREE ROOTS IS NOT PERMITTED.
- 3. TRENCHING AND EXCAVATION PROCEDURES NEAR AND AROUND EXISTING TREES SHALL BE BY HAND DIGGING AND/OR THE USE OF AIR SPADES.
- 4. ALL SEVERED ROOTS IRRESPECTIVE OF SIZE SHALL BE CUT CLEAN WITH THE USE OF A SHARP HANDSAW, LOPPER, AXE AND/OR CHAINSAW. A CLEAN CUT ALLOWS SEVERED ROOTS TO ABSORB NUTRIENTS AND WATER AND FACILITATES ROOT GENERATION AND COMPARTMENTALIZATION.
- 5. OVERNIGHT EQUIPMENT SHALL MAINTAIN A SAFE DISTANCE FROM THE DRIP LINE TO PREVENT ACCIDENTAL DAMAGE TO THE CROWN OF THE TREES.
- 6. ANY ACCIDENTAL DAMAGE DONE TO THE TREES SHALL BE REPORTED IMMEDIATELY TO THE CONTRACTING OFFICER SO THAT APPROPRIATE MITIGATION WORK CAN BE DONE IN A TIMELY MANNER.
- 7. NO MATERIALS, EQUIPMENT, SPOIL, WASTE, OR WASHOUT WATER SHALL BE DEPOSITED, STORED, OR PARKED WITHIN THE TREE PROTECTION ZONE. ACCIDENTAL SPILLS (MOTOR OIL, GASOLINE, HYDRAULIC OIL, ETC.) SHALL BE IMMEDIATELY REPORTED TO THE CONTRACTING OFFICER AND CLEANED AS SOON AS POSSIBLE, MAKING SURE ALL CONTAMINATED SOIL IS REMOVED. REPLACEMENT SOIL SHALL BE OF SIMILAR QUALITY (TEXTURE AND STRUCTURE) TO THE NATIVE SOIL.
- 8. ANY DRASTIC CHANGE IN THE CONDITION OF THE TREE, SUCH AS WILTING AND EXCESSIVE LEAF DROP SHALL BE REPORTED IMMEDIATELY TO THE CONTRACTING OFFICER.

5/17/12 Addendum 3

EVALUATION DATE DESCRIPTION MADE BY APPROVED

COUNTY OF HAWAI'I DEPARTMENT OF PUBLIC WORKS, BUILDING DIVISION

NEW KA'U DISTRICT GYMNASIUM & SHELTER AT KA'U AND PAHALA ELEMENTARY SCHOOL CAMPUS

MENTARY SCHOOL CA JOB NO. B-4108 PA'AU'AU AHUPUA'A, DISTRICT, HAWAI'I

PA'AU'AU AHUPUA'A, DISTRICT, HAWAI'I ISLAND AND COUNTY OF HAWAII 96-2150 PIKAKE STREET, PAHALA, HAWAII 96777 TMK: (3) 9-6-05: 08 & 39



Expires 4/30/14

PLANTING PLAN

DIVISION CHIEF
BUILDING DIVISION
DEPARTMENT OF PUBLIC WORKS

DATE
2012 APRIL 05

CHECKED BY: JWO
SHEET NO.

L2.1

181 OF 190 SHTS

DESIGN BY: JW0

DRAWN BY: JW0



